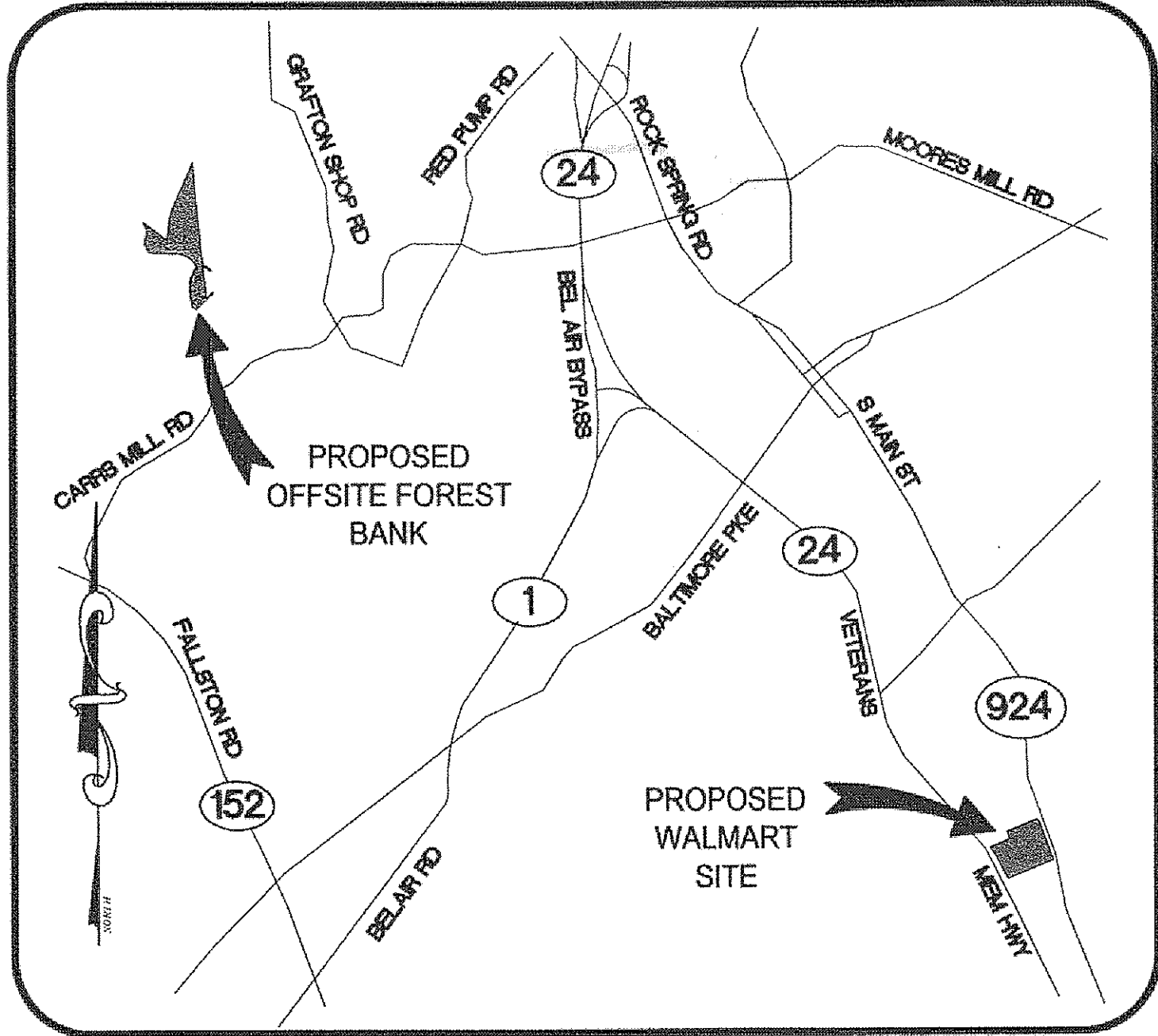


**OFFSITE REFORESTATION PLAN**  
**PROPOSED**  
**Walmart** ✱  
**#2009-04**  
**2014 EMMORTON ROAD**  
**BEL AIR, HARFORD COUNTY, MARYLAND**  
**GENERAL BUSINESS DISTRICT**



**VICINITY MAP**  
SCALE 1" = 4,000'

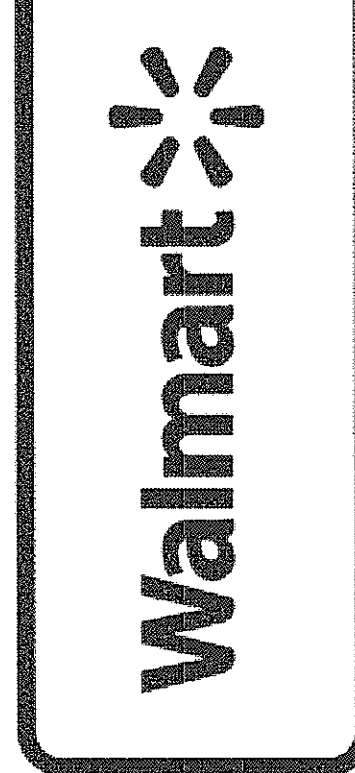
- SHEET INDEX**
- 1. COVER SHEET
  - 2. OFFSITE REFORESTATION PLAN
  - 3. OFFSITE REFORESTATION NOTES
  - 4. OFFSITE REFORESTATION DETAILS

REVISIONS	BY

**Bowman**  
**CONSULTING**  
Bowman Consulting Group, Ltd.  
1420 Thunderbolt Place  
Suite 300  
Charlottesville, Virginia 20151  
Telephone: (703) 454-1000  
Fax: (703) 451-9720  
www.bowmanconsulting.com  
© Bowman Consulting Group, Inc.

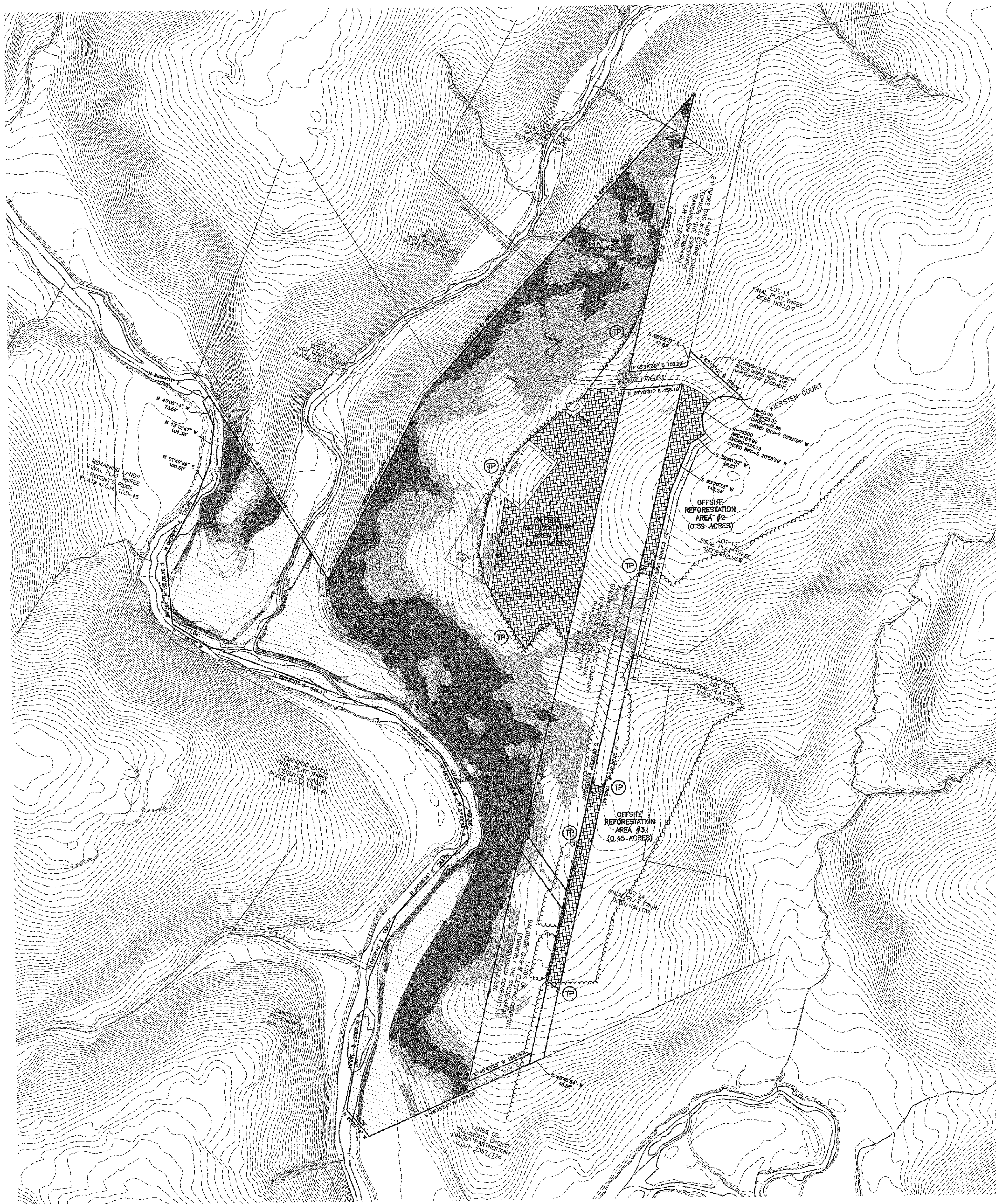


WALMART #2009-04  
BEL AIR, HARFORD COUNTY, MARYLAND  
WAL-MART STORES, INC.  
2001 SE 10TH STREET  
BENTONVILLE, AR 72716



DESIGN	DRAWN
GE	GE
CHECKED	
DATE	
11/21/14	
SCALE	
NO SCALE	
JOB No.	
4659-01-002	
SHEET	
1	
OF 4 SHEETS	





## LEGEND

- EXISTING TREELINE
- PROPOSED TREE PROTECTION FENCE
- FOREST RETENTION AREA  
(1,095,239 S.F. OR 25.14 ACRES)
- REFORESTATION AREA  
(176,480 S.F. OR 4.05 ACRES)
- EXISTING SLOPES 15%-25%
- EXISTING SLOPES OVER 25%

## REFORESTATION REPORT

PER THE FOREST CONSERVATION WORKSHEET, 29.55 ACRES OF FORESTED NET TRACT AREA WILL REQUIRE 8.84 ACRES OF PLANTING TO SATISFY HARFORD COUNTY FOREST CONSERVATION REQUIREMENTS FOR WALMART #2009-04.

OVERALL PLANTING REQUIREMENTS SHOWN ON THE PRELIMINARY FOREST CONSERVATION PLAN ARE TO BE MET WITH A COMBINATION OF ONSITE REFORESTATION (2.38 ACRES, 27%), ONSITE INDIVIDUAL TREE LANDSCAPING CREDIT (1.77 ACRES, 20%), INDIVIDUAL LANDSCAPE AREA (.64 ACRES, 7%) AND PRIVATE OFFSITE FOREST CONSERVATION BANKING (4.05 ACRES, 46%).

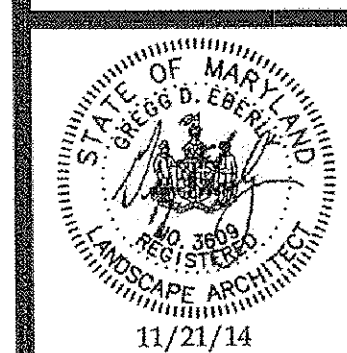
THIS PLAN ONLY ADDRESSES THE OFFSITE REFORESTATION REQUIREMENT OF 4.05 ACRES. SEE SHEET 3 FOR PLANTING SCHEDULE.

## SITE DATA / NOTES

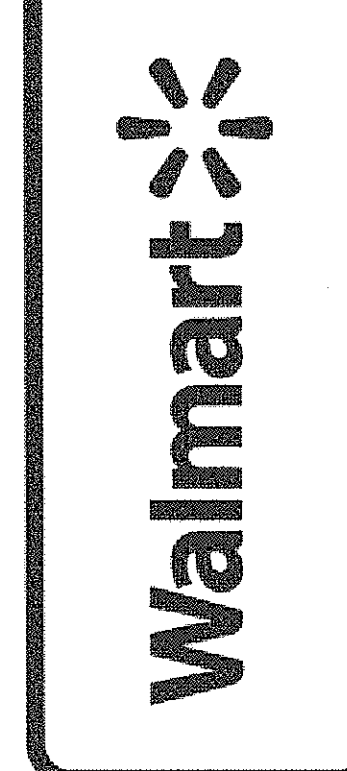
- DEVELOPER: WALMART REAL ESTATE BUSINESS TRUST  
2001 SOUTHEAST 10TH STREET  
BENTONVILLE, AR 72716-0550
- OWNER: DAVID & STEPHANIE SCHNEIDER  
1600 KIERSTEN COURT  
FOREST HILL, MD 21050-1910
- PREPARED BY: BOWMAN CONSULTING GROUP, LTD.  
14020 THUNDERBOLT PLACE  
CHANTILLY, VA 20151
- SITE DATA: TAX MAP #: 0040  
PARCEL #: 0464  
DEED REFERENCE: 09172/00030
- EXISTING ZONING: AG
- GROSS TRACT AREA: 31.07 AC.
- BOUNDARY SURVEY PREPARED BY BOWMAN CONSULTING GROUP, LTD., JUNE, 2014.
- TOPOGRAPHIC, HYDROLOGIC AND FLOODPLAIN INFORMATION PROVIDED BY HARFORD COUNTY GIS DATA DATED NOVEMBER 3, 2008 AND AUGUST 1, 2011.
- FOREST EDGES TO THE WEST OF THE BALTIMORE GAS & ELECTRIC PROPERTY HAVE BEEN VERIFIED IN FIELD BY BOWMAN CONSULTING GROUP, LTD., JUNE, 2014.
- FOREST EDGES TO THE EAST OF THE BALTIMORE GAS & ELECTRIC PROPERTY HAVE BEEN MAPPED USING AERIAL IMAGERY PROVIDED BY GOOGLE MAPS DATED 2014.
- THERE ARE TWO PERENNIAL STREAMS (WINTERS RUN & LONG BRANCH) LOCATED ON THE PROPERTY.
- THERE IS A 100-YEAR FLOODPLAIN AND ASSOCIATED 150' STREAM BUFFER LOCATED ON THE PROPERTY.
- THERE ARE EXISTING SLOPES RANGING FROM 15-25% AND 25%+ ON THE PROPERTY.
- BASED ON MARYLAND'S ENVIRONMENTAL RESOURCES & LAND INFORMATION NETWORK (MERLIN), THE SUBJECT PROPERTY DOES NOT CONTAIN DNR OR NWI WETLANDS.
- BASED ON MARYLAND'S ENVIRONMENTAL RESOURCES & LAND INFORMATION NETWORK (MERLIN), THERE WERE NO SENSITIVE HABITATS OR OCCURRENCES OF RARE, THREATENED OR ENDANGERED SPECIES OBSERVED ON OR IN THE VICINITY OF THE PROPERTY.
- BASED ON MARYLAND'S ENVIRONMENTAL RESOURCES & LAND INFORMATION NETWORK (MERLIN), THERE ARE NO KNOWN HISTORICAL AREAS PRESENT ON THE PROPERTY.
- THERE ARE NO KNOWN NATIONAL, STATE AND/OR COUNTY CHAMPION TREES ON THE PROPERTY.

REVISIONS	BY

**Bowman CONSULTING**  
Bowman Consulting Group, Ltd.  
14020 Thunderbolt Place  
Suite 300  
Chantilly, Virginia 20151  
Telephone: (703) 484-1000  
Fax: (703) 481-9720  
www.bowmanconsulting.com  
© Bowman Consulting Group, Ltd.



WALMART #2009-04  
BEL AIR, HARFORD COUNTY, MARYLAND  
WAL-MART STORES, INC.  
2001 SE 10TH STREET  
BENTONVILLE, AR 72716



DESIGN	DRAWN
GE	GE
CHECKED	
DATE	11/21/14
SCALE	1"=150'
JOB No.	4659-01-002
SHEET	2
OF 4 SHEETS	



## REFORESTATION AREA #1 PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	CONDITION/REMARKS
MEDIUM DECIDUOUS TREES						
AR	27	ACER RUBRUM	RED MAPLE		1.5" CAL	858
FG	27	FAGUS GRANDIFOLIA	AMERICAN BEECH		1.5" CAL	858
LS	27	LIGUSTRUM SYRACUSIA	SWEETGUM		1.5" CAL	858
LT	27	LIRIODENDRON TULIPIFERA	TULIP POPLAR		1.5" CAL	858
NS	27	NYSSA SYLVATICA	BLACK GUM		1.5" CAL	858
PO	26	PLATANUS OCCIDENTALIS	SYCAMORE		1.5" CAL	858
QA	26	QUERCUS ALBA	WHITE OAK		1.5" CAL	858
UA	26	ULMUS AMERICANA	AMERICAN ELM		1.5" CAL	858
SMALL ORNAMENTAL TREES						
AC	26	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY		1.5" CAL	858
CF	26	CORNUS FLORIDA	FLOWERING DOGWOOD		1.5" CAL	858
CC	26	CRATAEGUS CRUGSALLI VAR. BERNIS	THORNTLESS COCKSPUR HAWTHORN		1.5" CAL	858
MV	26	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA		1.5" CAL	858
SMALL EVERGREEN TREES						
IO	27	ILEX OPACA	AMERICAN HOLLY	6'-8' HEIGHT		858
JV	27	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	6'-8' HEIGHT		858
PS	27	PRUNUS STROBUS	WHITE PINE	6'-8' HEIGHT		858
TC	27	TSUGA CANADENSIS	CANADIAN HEMLOCK	6'-8' HEIGHT		858
PV	27	PRUNUS VIRGINIANA	VIRGINIA PINE	6'-8' HEIGHT		858
TOTAL: 852						

## REFORESTATION AREA #1 TABULATIONS

PROPOSED REFORESTATION AREA: 131,421 S.F. OR 3.01 ACRES

TOTAL 1.5" TREES REQUIRED: 452 TREES OR 150/ACRE

TOTAL 1.5" TREES PROVIDED: 452 TREES OR 150/ACRE

SURVIVAL RATE REQUIRED: 339 TREES  
(100 TREES/ACRE OR 75% OF TOTAL PLANTED, WHICHEVER IS GREATER)

## REFORESTATION AREA #2 PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	CONDITION/REMARKS
MEDIUM DECIDUOUS TREES						
AR	6	ACER RUBRUM	RED MAPLE		1.5" CAL	858
FG	6	FAGUS GRANDIFOLIA	AMERICAN BEECH		1.5" CAL	858
LS	6	LIGUSTRUM SYRACUSIA	SWEETGUM		1.5" CAL	858
LT	6	LIRIODENDRON TULIPIFERA	TULIP POPLAR		1.5" CAL	858
NS	6	NYSSA SYLVATICA	BLACK GUM		1.5" CAL	858
PO	6	PLATANUS OCCIDENTALIS	SYCAMORE		1.5" CAL	858
QA	5	QUERCUS ALBA	WHITE OAK		1.5" CAL	858
UA	5	ULMUS AMERICANA	AMERICAN ELM		1.5" CAL	858
SMALL ORNAMENTAL TREES						
AC	5	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY		1.5" CAL	858
CF	5	CORNUS FLORIDA	FLOWERING DOGWOOD		1.5" CAL	858
CC	5	CRATAEGUS CRUGSALLI VAR. BERNIS	THORNTLESS COCKSPUR HAWTHORN		1.5" CAL	858
MV	5	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA		1.5" CAL	858
SMALL EVERGREEN TREES						
IO	5	ILEX OPACA	AMERICAN HOLLY	6'-8' HEIGHT		858
JV	5	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	6'-8' HEIGHT		858
PS	5	PRUNUS STROBUS	WHITE PINE	6'-8' HEIGHT		858
TC	5	TSUGA CANADENSIS	CANADIAN HEMLOCK	6'-8' HEIGHT		858
PV	5	PRUNUS VIRGINIANA	VIRGINIA PINE	6'-8' HEIGHT		858
TOTAL: 88						

## REFORESTATION AREA #2 TABULATIONS

PROPOSED REFORESTATION AREA: 25,500 S.F. OR 0.59 ACRES

TOTAL 1.5" TREES REQUIRED: 89 TREES OR 150/ACRE

TOTAL 1.5" TREES PROVIDED: 89 TREES OR 150/ACRE

SURVIVAL RATE REQUIRED: 67 TREES  
(100 TREES/ACRE OR 75% OF TOTAL PLANTED, WHICHEVER IS GREATER)

## REFORESTATION AREA #3 PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	CONDITION/REMARKS
MEDIUM DECIDUOUS TREES						
AR	4	ACER RUBRUM	RED MAPLE		1.5" CAL	858
FG	4	FAGUS GRANDIFOLIA	AMERICAN BEECH		1.5" CAL	858
LS	4	LIGUSTRUM SYRACUSIA	SWEETGUM		1.5" CAL	858
LT	4	LIRIODENDRON TULIPIFERA	TULIP POPLAR		1.5" CAL	858
NS	4	NYSSA SYLVATICA	BLACK GUM		1.5" CAL	858
PO	4	PLATANUS OCCIDENTALIS	SYCAMORE		1.5" CAL	858
QA	4	QUERCUS ALBA	WHITE OAK		1.5" CAL	858
UA	4	ULMUS AMERICANA	AMERICAN ELM		1.5" CAL	858
SMALL ORNAMENTAL TREES						
AC	4	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY		1.5" CAL	858
CF	4	CORNUS FLORIDA	FLOWERING DOGWOOD		1.5" CAL	858
CC	4	CRATAEGUS CRUGSALLI VAR. BERNIS	THORNTLESS COCKSPUR HAWTHORN		1.5" CAL	858
MV	4	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA		1.5" CAL	858
SMALL EVERGREEN TREES						
IO	4	ILEX OPACA	AMERICAN HOLLY	6'-8' HEIGHT		858
JV	4	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	6'-8' HEIGHT		858
PS	4	PRUNUS STROBUS	WHITE PINE	6'-8' HEIGHT		858
TC	4	TSUGA CANADENSIS	CANADIAN HEMLOCK	6'-8' HEIGHT		858
PV	4	PRUNUS VIRGINIANA	VIRGINIA PINE	6'-8' HEIGHT		858
TOTAL: 68						

## REFORESTATION AREA #3 TABULATIONS

PROPOSED REFORESTATION AREA: 19,500 S.F. OR 0.45 ACRES

TOTAL 1.5" TREES REQUIRED: 68 TREES OR 150/ACRE

TOTAL 1.5" TREES PROVIDED: 68 TREES OR 150/ACRE

SURVIVAL RATE REQUIRED: 51 TREES  
(100 TREES/ACRE OR 75% OF TOTAL PLANTED, WHICHEVER IS GREATER)

NOTES:

- 1) THE SURVIVAL RATE FOR THESE AREAS WILL BE DETERMINED AFTER THE SECOND YEAR SURETY INSPECTION.
- 2) TREES ARE TO BE PLANTED IN A RANDOM DISTRIBUTION AS SHOWN IN FIGURE A:19 ON SHEET 4.

## FOREST PROTECTION REPORT

### PRE-CONSTRUCTION:

1. FOREST RETENTION AREAS THAT ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES SHALL BE IDENTIFIED AT THE CONSTRUCTION SITE.
2. PRIOR TO DEMOLITION & CONSTRUCTION, BLAZE ORANGE PLASTIC MESH TREE PROTECTION FENCE (SEE DETAIL) SHALL BE PLACED ALONG THE LIMITS OF DISTURBANCE AND SHALL BE USED TO PROTECT TREES AND FORESTED AREAS AS SPECIFIED ON THE PLAN.
3. FOREST RETENTION AREA SIGNS (SEE DETAIL) SHALL BE POSTED AT A MINIMUM 50 FOOT INTERVAL ALONG THE RETENTION EDGE. ATTACHMENT OF SIGNS TO THE TREES IS PROHIBITED.

### CONSTRUCTION:

1. TREES AND FORESTED AREAS SHALL BE PROTECTED AND MANAGED BY A LICENSED TREE CARE PROFESSIONAL DURING ALL PHASES OF CONSTRUCTION.
2. TREES AND FORESTED AREAS SHALL BE PROTECTED AND MANAGED DURING ALL PHASES OF CONSTRUCTION IN A MANNER THAT WILL ENSURE THAT THESE RESOURCES CONFORM TO POST-DEVELOPMENT TREE AND FORESTED AREA STANDARDS AT THE END OF CONSTRUCTION. THESE STANDARDS REQUIRE THAT TREES SURVIVE CONSTRUCTION IN A MANNER THAT SUBSTANTIALLY RETAINS THEIR PRE-DEVELOPMENT LEVEL OF BIOLOGICAL FUNCTION, HEALTH AND STRUCTURAL CONDITION; AND REQUIRE THAT FORESTED AREAS SURVIVE CONSTRUCTION IN A MANNER THAT PRESERVES THE ECOLOGICAL FUNCTIONALITY, HEALTH, AND CONDITION OF SUPER- AND SUB-CANOPY TREE SPECIES; WOODY SHRUBS, HERBACEOUS PLANTS, VINES, NONVASCULAR PLANTS AND EPIPHYTES; DECAYING LEAF LITTER, ROOT MASS, FUNGI, SOIL BIOTA AND SOIL CONDITIONS THAT MAY BE PRESENT.
3. IN ADDITION TO PROTECTING TREES, THE PERMITTEE SHALL PROTECT ALL UNDERSTORY PLANTS, LEAF LITTER AND SOIL CONDITIONS FOUND IN FORESTED AREAS DESIGNATED TO BE LEFT PRESERVED EXCEPT AS MAY BE ALLOWED BY THE APPROVED TREE PRESERVATION PLAN AND NARRATIVE.
4. THE PERMITTEE SHALL ACTIVELY MONITOR THE CONSTRUCTION SITE TO ENSURE THAT INAPPROPRIATE ACTIVITIES SUCH AS THE STORAGE OF CONSTRUCTION MATERIALS, DUMPING OF CONSTRUCTION DEBRIS, AND TRAFFIC BY CONSTRUCTION EQUIPMENT AND PERSONNEL DO NOT OCCUR WITHIN AREAS SHOWN TO BE PRESERVED OUTSIDE OF THE LIMITS OF CLEARING.
5. ANY WORK THAT IS TO OCCUR ADJACENT TO TREES OR WITHIN FORESTED AREAS TO BE PRESERVED, SUCH AS INSTALLATION OF TREE PROTECTION FENCE; REMOVAL OF TRASH OR DEBRIS; OR EXTRACTION OF TREES DESIGNATED TO BE REMOVED IN A MANNER THAT MINIMIZES DAMAGE TO TREES, UNDERSTORY SHRUBS, HERBACEOUS PLANTS, LEAF LITTER, ROOTS SYSTEMS AND SOIL CONDITIONS.
6. THE PERMITTEE SHALL RESTORE UNDERSTORY PLANT MATERIALS, LEAF LITTER AND SOIL CONDITIONS TO THE SATISFACTION OF THE COUNTY IF THESE ARE FOUND TO BE DAMAGED, REMOVED OR ALTERED IN A MANNER NOT SPECIFICALLY ALLOWED BY THE PROVISIONS OF THIS CHAPTER OR NOT SPECIFICALLY ADDRESSED WITHIN THE APPROVED TREE PRESERVATION PLAN AND NARRATIVE.
7. TREE PROTECTION DEVICES SHALL BE MAINTAINED UNTIL ALL WORK IN THE VICINITY HAS BEEN COMPLETED AND SHALL NOT BE REMOVED OR RELOCATED WITHOUT THE CONSENT OF THE COUNTY. IF THE COUNTY DEEMS THAT THE PROTECTIVE DEVICES ARE INSUFFICIENT, INSTALLATION OF ADDITIONAL PROTECTIVE DEVICES SHALL BE REQUIRED.

8. HEAVY EQUIPMENT, VEHICULAR TRAFFIC, STOCKPILING OF MATERIALS OR DEPOSITION OF SEDIMENT SHALL NOT BE PERMITTED WITHIN TREE PRESERVATION AREAS.
9. ANY POWER EQUIPMENT USE PRESCRIBED WITHIN TREE PRESERVATION AREAS SHALL BE LIMITED TO SMALL HAND-OPERATED EQUIPMENT SUCH AS CHAINSAWS.
10. ANY WORK WITHIN TREE PRESERVATION AREAS REQUIRING THE USE OF LARGER MOTORIZED EQUIPMENT SUCH AS, BUT NOT LIMITED TO, TREE TRANSPLANTING SPADES, SKID LOADERS, TRACTORS, TRUCKS, STUMP-GRINDERS, OR ANY ACCESSORY OR ATTACHMENT CONNECTED TO SUCH EQUIPMENT SHALL NOT OCCUR UNLESS APPROVED IN WRITING BY THE COUNTY, OR UNLESS THE ACTIVITY HAS BEEN SPECIFICALLY ADDRESSED.
11. NO TOXIC MATERIALS SHALL BE STORED WITHIN 100 FEET (30.5 METERS) OF VEGETATION TO BE RETAINED.
12. NO PROTECTIVE DEVICES, SIGNS, UTILITY BOXES OR OTHER OBJECTS SHALL BE NAILED OR AFFIXED TO TREES TO BE PRESERVED.

13. IN THE EVENT THAT THE COUNTY DETERMINES THAT A TREE OR PORTION THEREOF IS DEAD, DECLINING, HAZARDOUS, OR A PROPERTY MAINTENANCE BURDEN DUE TO CONSTRUCTION OR ENVIRONMENTAL CHANGES RESULTING FROM CONSTRUCTION; OR IS HAZARDOUS TO LIFE OR PROPERTY BECAUSE OF CONDITIONS NOT RELATED TO CONSTRUCTION, THE COUNTY SHALL REQUIRE THE PERMITTEE TO REMOVE THE TREE OR PORTION THEREOF. THE PERMITTEE SHALL TAKE SUCH ACTION AS NECESSARY TO ELIMINATE THE TREE OR PORTION THEREOF CAREFULLY. THE PERMITTEE SHALL NOTIFY THE COUNTY OF ANY ACTIONS TAKEN OR PROPOSED TO BE TAKEN UNDER THIS SECTION.

14. THE MAIN TRUNKS OF DEAD TREES MAY BE ALLOWED TO REMAIN ON SITES WHERE THE COUNTY DETERMINES THAT A "TRUNK SVAG" MAY PROVIDE HABITAT OR OTHER WILDLIFE BENEFITS AND HAVE LITTLE OR NO POTENTIAL TO CAUSE PERSONAL INJURY OR PROPERTY DAMAGE, OR TO OBSTRUCT STREAMS OR OTHER DRAINAGE.
15. WHEN EXCAVATING, TRENCHING, OR TUNNELING, ALL TREE ROOTS GREATER THAN 1 INCH IN DIAMETER THAT ARE EXPOSED AND/OR DAMAGED SHALL BE TRIMMED CLEANLY, AND COVERED WITH ORGANIC MULCH, TOPSOIL, OR OTHER SUITABLE MATERIAL TO PREVENT THE EXPOSED ROOTS FROM DRYING OUT.
16. ANY DAMAGE INFLECTED TO THE ABOVE OR BELOW-GROUND PORTIONS OF THE TREES SHOWN TO BE PRESERVED SHALL BE REPAIRED IMMEDIATELY. ALL DAMAGED BRANCHES IN THE CROWN SHALL BE REPAIRED.

### POST-CONSTRUCTION:

1. THE DEVELOPER SHALL REQUEST AN INSPECTION WHEN CONSTRUCTION IS COMPLETED TO ENSURE THAT ALL WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
2. ALL TREES THAT ARE DEAD OR HAVE BEEN DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REMOVED OR REPAIRED.

## MAINTENANCE AGREEMENT

THE APPLICANT SHALL IMPLEMENT A BINDING TWO (2)-YEAR MAINTENANCE AGREEMENT TO ALL AFFORESTATION AND REFORESTATION AREAS. THE TWO (2)-YEAR MAINTENANCE AGREEMENT WILL START UPON RECEIPT BY THE DEPARTMENT OF PLANNING AND ZONING OF A LETTER STATING THAT THE TREES HAVE BEEN PLANTED.

THE CONTENT OF THE MAINTENANCE AGREEMENT SHALL DETAIL HOW AFFORESTATION AND REFORESTATION AREAS WILL BE MAINTAINED TO ENDURE PROTECTION OR SATISFACTORY ESTABLISHMENT, INCLUDING:

- A. WATERING, AND
- B. REINFORCEMENT PLANTING PROVISIONS IF SURVIVAL RATES FALL BELOW THE REQUIRED STANDARDS.
- C. FERTILIZING PLANS
- D. CONTROL OF COMPETING VEGETATION
- E. PROTECTION FROM DISEASE, PESTS AND MECHANICAL INJURY

FOR OFFSITE AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE LANDSCAPING, THE APPLICANT SHALL PRESENT EVIDENCE OF A LEGAL RIGHT TO IMPLEMENT THE PROPOSED MAINTENANCE AGREEMENT. SUCH EVIDENCE SHALL INCLUDE EITHER:

- A. AN EXECUTED DEED CONVEYING TITLE TO A SELECTED SITE TO THE APPLICANT; OR
- B. AN EXECUTED CONSERVATION EASEMENT AGREEMENT; OR
- C. WRITTEN EVIDENCE OF THE LANDOWNER'S CONSENT TO THE USE OF A SELECTED SITE; OR
- D. OTHER WRITTEN EVIDENCE OF A POSSESSORY OR OWNERSHIP INTEREST IN A SELECT SITE.

## SURETY

### REQUIREMENTS

BEFORE RECEIVING A GRADING PERMIT OR A BUILDING PERMIT, AN APPLICANT REQUIRED TO CONDUCT AFFORESTATION, REFORESTATION OR INDIVIDUAL TREE PLANTING SHALL FURNISH SURETY IN THE FORM OF A BOND, AN IRREVOCABLE LETTER OF CREDIT, OR OTHER SECURITY APPROVED BY THE DEPARTMENT.

THE SURETY SHALL:

ASSURE THAT THE AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE LANDSCAPING ARE CONDUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED FOREST CONSERVATION PLAN.

BE IN AN AMOUNT EQUAL TO THE ESTIMATED COST, AS APPROVED BY THE DEPARTMENT, FOR AREAS OF AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE PLANTINGS.

IF THE DEVELOPMENT IS SCHEDULED TO BE CONSTRUCTED IN PHASES, COVER THE PORTION OF THE DEVELOPMENT WITHIN THE LIMITS OF DISTURBANCE DELINEATED IN THE GRADING PLAN APPLICATION.

### GUIDELINES

THE FOLLOWING TYPES OF SURETY ARE ACCEPTABLE FOR AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE PLANTING AREAS:

A BOND WHICH SHALL BE MADE PAYABLE TO HARFORD COUNTY; OR

AN IRREVOCABLE LETTER OF CREDIT WHICH SHALL:

BE EQUIVALENT TO THE REQUIRED BOND; AND

BE ISSUED BY A FINANCIAL INSTITUTION AUTHORIZED TO DO BUSINESS IN MARYLAND; AND EXPRESSLY STATE THAT THE TOTAL SUM IS GUARANTEED TO BE AVAILABLE AND PAYABLE DIRECTLY TO THE DEPARTMENT ON DEMAND IN THE EVENT OF FORFEITURE; AND

BE IN FORCE UNTIL ALL MITIGATION FOR REFORESTATION AND AFFORESTATION AND MONITORING REQUIREMENTS HAVE BEEN FULFILLED TO THE SATISFACTION OF THE DEPARTMENT.

THE VALUE OF THE SURETY SHALL BE 40 CENTS PER SQUARE FOOT FOR THE TOTAL ACREAGE OF REQUIRED AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE LANDSCAPING.

A DIFFERENT AMOUNT OF SURETY FOR AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE LANDSCAPING MAY BE POSTED IF THE APPLICANT SUBMITS A BID FROM A LANDSCAPE CONTRACTOR WHICH CLEARLY ITEMIZES THE FOLLOWING COSTS.

INITIAL SITE PREPARATION, INCLUDING CONTACTING 'MISS UTILITY', IF NECESSARY;  
DELIVERY OF PLANTING STOCK;  
PLANTS;  
STAKES AND TUBING, IF NECESSARY;  
DEER PROTECTION, IF NECESSARY;  
MULCHING;  
EXTRA FILL, BACKFILL;  
FERTILIZER;  
WATERING;  
REMOVAL OF EXTRA SOIL, BACKFILL;  
MAINTENANCE - PRUNING, WEEDING, MOWING, PESTICIDES;  
A TWO (2) YEAR GUARANTEE FOR ALL OF THE ABOVE.

THE SURETY SHALL BE POSTED TO HARFORD COUNTY, WITH A COMPLETED REFORESTATION AND AFFORESTATION SURETY AGREEMENT, EITHER PRIOR TO, OR AT THE TIME, APPLICATION IS MADE FOR A GRADING PERMIT OR A BUILDING PERMIT FOR THE SITE.

## LEGAL PROTECTION

THE PROTECTION OF FOREST CONSERVATION AREAS, WHETHER ON-SITE OR OFF-SITE, IS IMPORTANT IF THE FOREST CONSERVATION AREAS ARE TO FUNCTION AS THEY WERE INTENDED.

### REQUIREMENTS

THE APPLICANT SHALL SUBMIT A BINDING PROTECTIVE AGREEMENT WITH THE FCP THAT:

PROVIDES PROTECTION FOR AREAS OF FOREST CONSERVATION, INCLUDING AREAS OF AFFORESTATION, REFORESTATION, RETENTION AND INDIVIDUAL TREE PLANTINGS; AND

LIMITS USES IN AREAS OF FOREST CONSERVATION TO THOSE USES THAT ARE CONSISTENT WITH FOREST CONSERVATION, INCLUDING RECREATIONAL ACTIVITIES AND ANY FOREST MANAGEMENT PRACTICE THAT IS USED TO PRESERVE FOREST; AND

INCORPORATES CONSERVATION EASEMENTS, DEED RESTRICTIONS, COVENANTS, AND OTHER AGREEMENTS AS NECESSARY.

### GUIDELINES

IF A FINAL PLAT IS TO BE RECORDED FOR THE DEVELOPMENT SITE, ALL AREAS OF FOREST RETENTION, AFFORESTATION, REFORESTATION AND INDIVIDUAL TREE PLANTING SHALL BE CLEARLY LABELED AS NON-DISTURBANCE AREAS ON THE FINAL PLAT. HOWEVER, THE DEPARTMENT MAY REQUIRE OTHER FORMS OF LEGAL PROTECTION IF NECESSARY.

IF A FINAL PLAT WILL NOT BE RECORDED FOR THE DEVELOPMENT SITE, THE APPLICANT WILL ENTER INTO THE FOREST PROTECTION AGREEMENT WITH HARFORD COUNTY.

## CONSTRUCTION TIMETABLE

1. FOREST PROTECTION: TO OCCUR PRIOR TO SITE DEMOLITION, CLEARING & PROPOSED CONSTRUCTION IMPROVEMENTS.

SPECIFIC DATES/TIMES TO BE PROVIDED WITH THE FINAL SITE PLAN & FINAL FOREST CONSERVATION PLAN.

2. AFFORESTATION: TO OCCUR AFTER PROPOSED CONSTRUCTION IMPROVEMENTS (INCLUDING BUILDING, ROADS, CURB & GUTTER, SIDEWALKS, ETC.) HAVE BEEN COMPLETED.

SPECIFIC DATES/TIMES TO BE PROVIDED WITH THE FINAL SITE PLAN & FINAL FOREST CONSERVATION PLAN.

3. REFORESTATION: TO OCCUR AFTER PROPOSED CONSTRUCTION IMPROVEMENTS (INCLUDING BUILDING, ROADS, CURB & GUTTER, SIDEWALKS, ETC.) HAVE BEEN COMPLETED.

SPECIFIC DATES/TIMES TO BE PROVIDED WITH THE FINAL SITE PLAN & FINAL FOREST CONSERVATION PLAN.

4. INDIVIDUAL TREE PLANTING: TO OCCUR AFTER PROPOSED CONSTRUCTION IMPROVEMENTS (INCLUDING BUILDING, ROADS, CURB & GUTTER, SIDEWALKS, ETC.) HAVE BEEN COMPLETED.

SPECIFIC DATES/TIMES TO BE PROVIDED WITH THE FINAL SITE PLAN & FINAL FOREST CONSERVATION PLAN.

### PROTECTIVE MEASURES FOR EXISTING VEGETATION TO REMAIN

Existing woodland to remain shall be protected by the installation of blaze orange fence along the perimeter of the limit of disturbance prior to initiation of any work, including landclearing and erosion control installation, excavation, or grading. Fencing shall remain intact for the duration of construction and shall be maintained by the contractor at its recovery on a daily basis. No parking, storage of materials, or other construction related activities shall be performed within protected areas.

I agree to provide the protective measures noted above and will replace any existing fence noted to remain as part of the required landscaping if they are removed or damaged during or following construction.

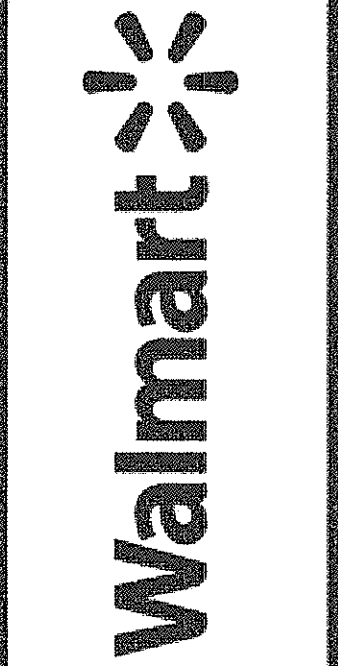
*Walter D. Davis* WALTER DAVIS, President  
Owner's signature (Printed) Date 09/18/2012

REVISIONS	BY

**Bowman**  
CONSULTING  
Telephone: (703) 464-1000  
Bowman Consulting Group, Ltd.  
1420 Thundersbolt Place  
Suite 300  
Charlottesville, Virginia 22911  
www.bowmanconsulting.com  
© Bowman Consulting Group, Ltd.

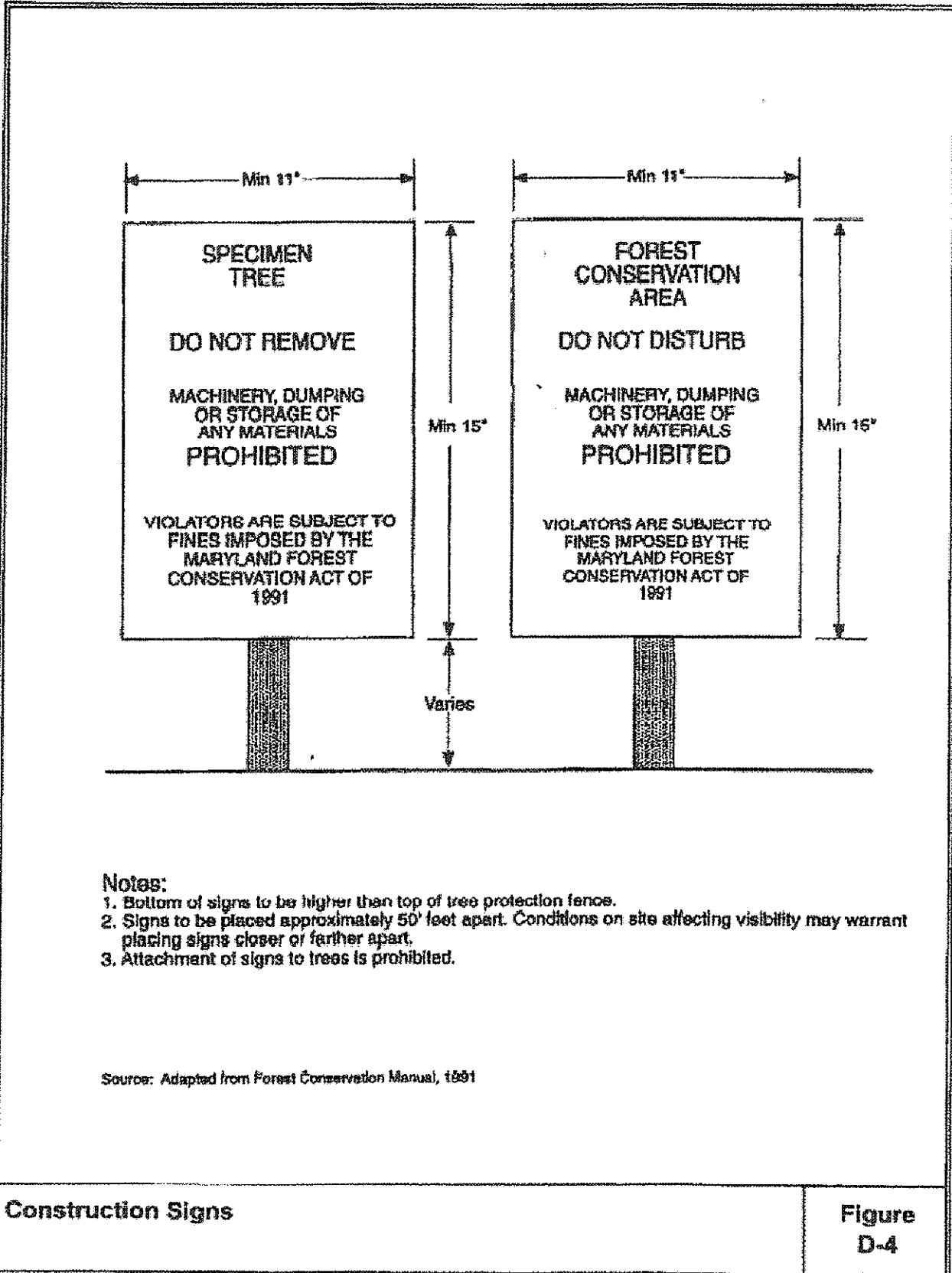


WALMART #2009-04  
BEL AIR, HARFORD COUNTY, MARYLAND  
WAL-MART STORES, INC.  
2001 SE 10TH STREET  
BENTONVILLE, AR 72716



DESIGN DRAWN  
GE GE  
CHECKED  
GE  
DATE  
11/21/14  
SCALE  
NO SCALE  
JOB No.  
4659-01-002  
SHEET  
3  
OF 4 SHEETS

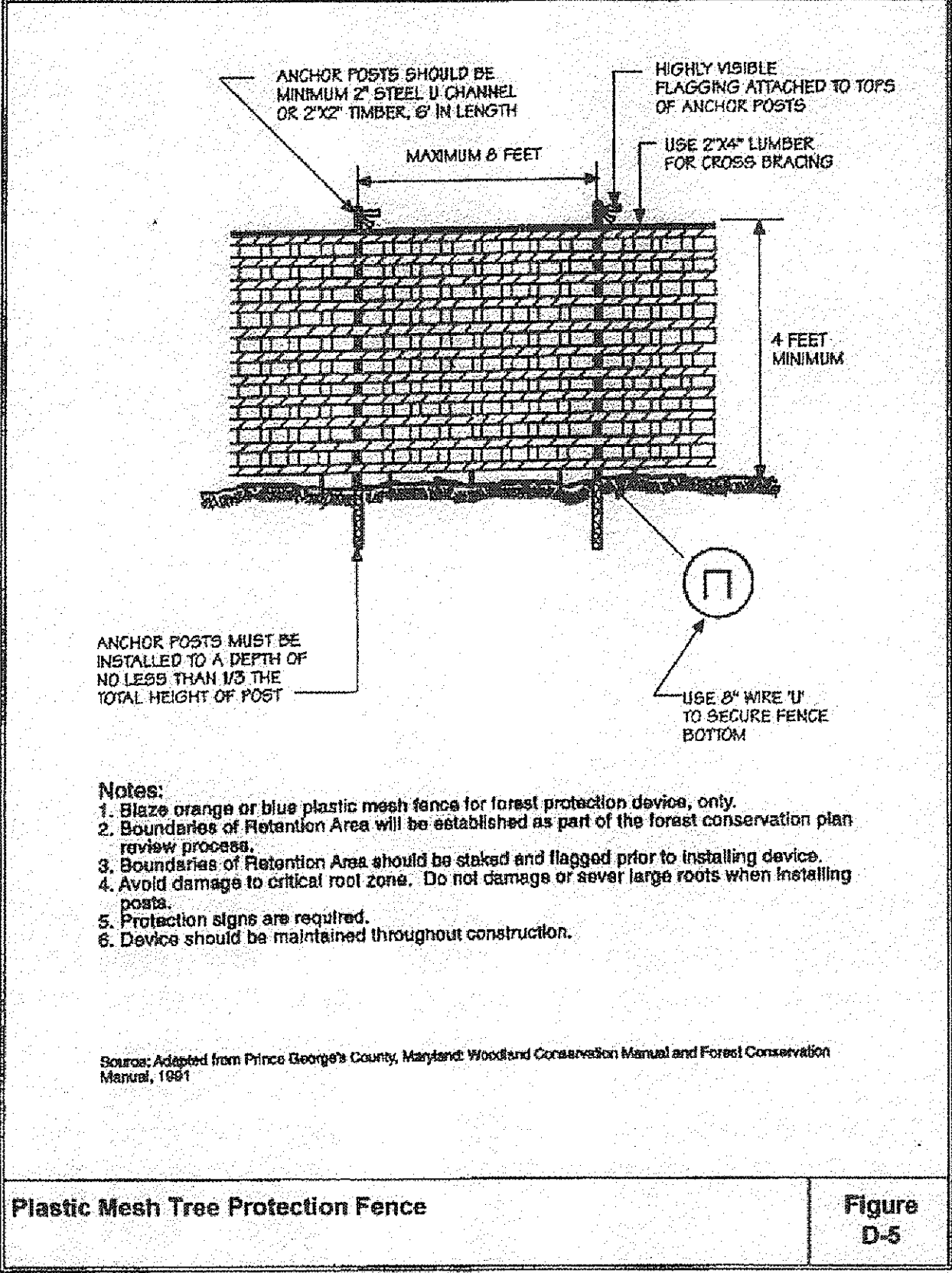




Construction Signs

Figure D-4

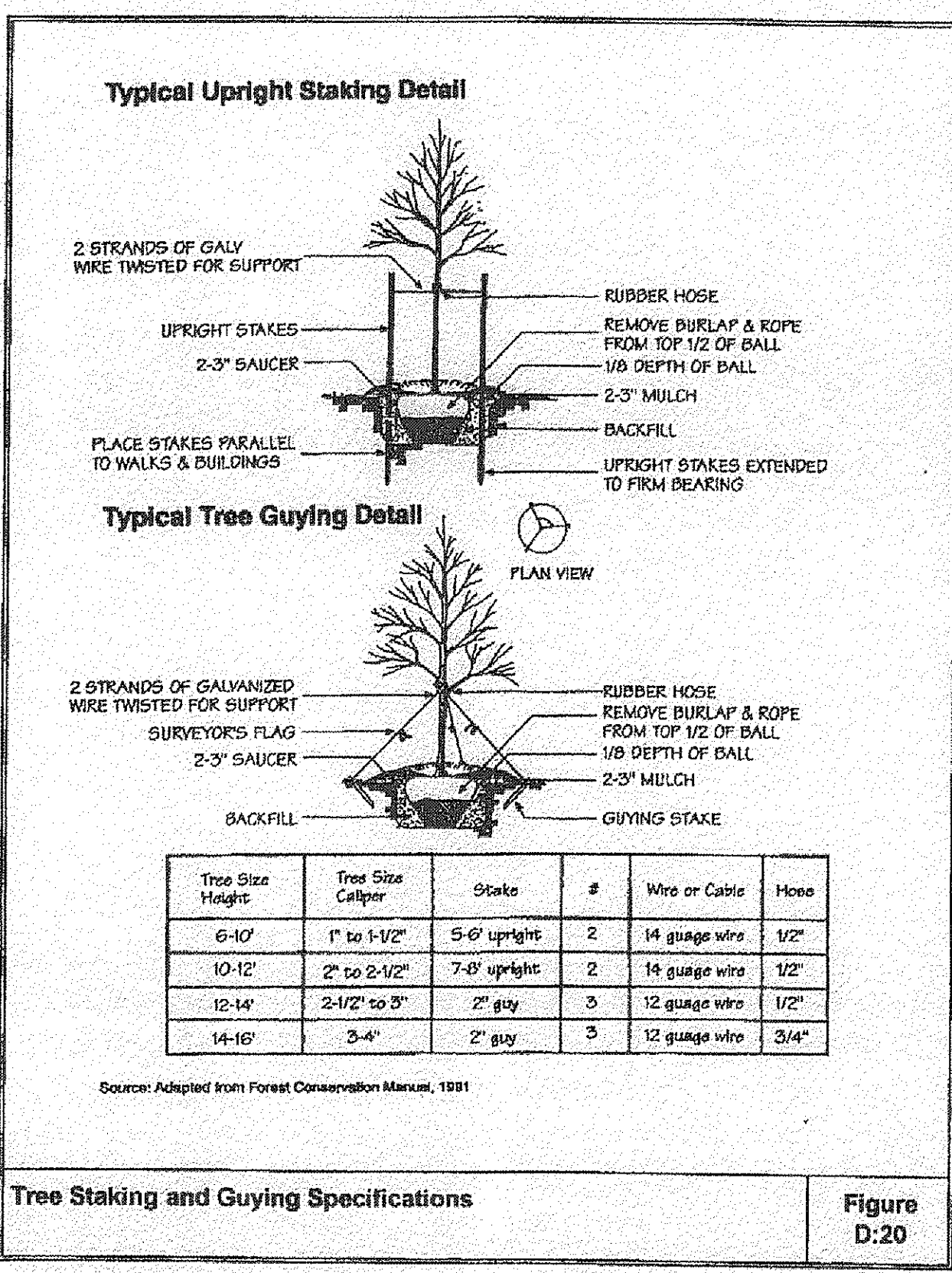
D - 5



Plastic Mesh Tree Protection Fence

Figure D-5

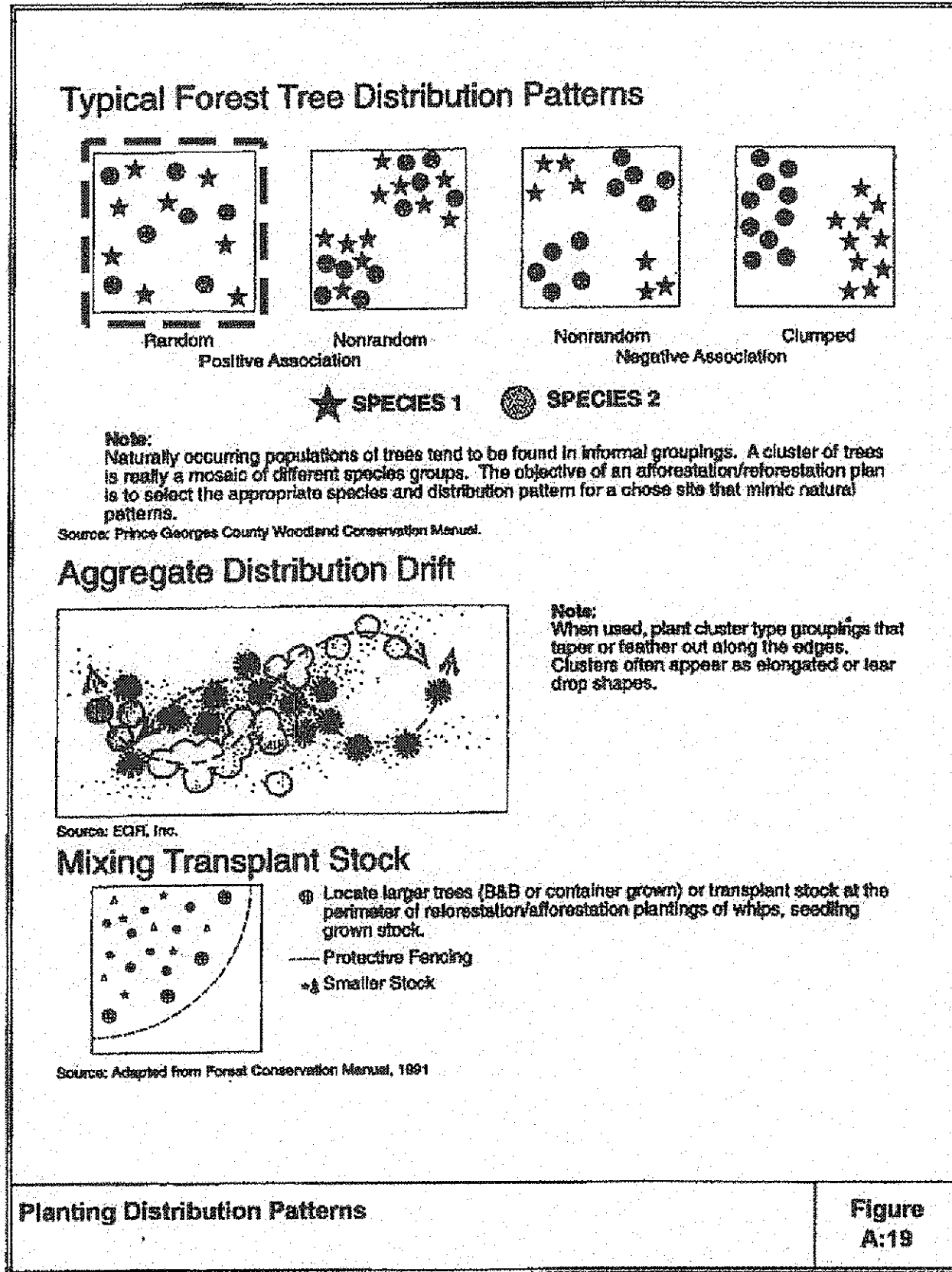
D - 6



Tree Staking and Guying Specifications

Figure D:20

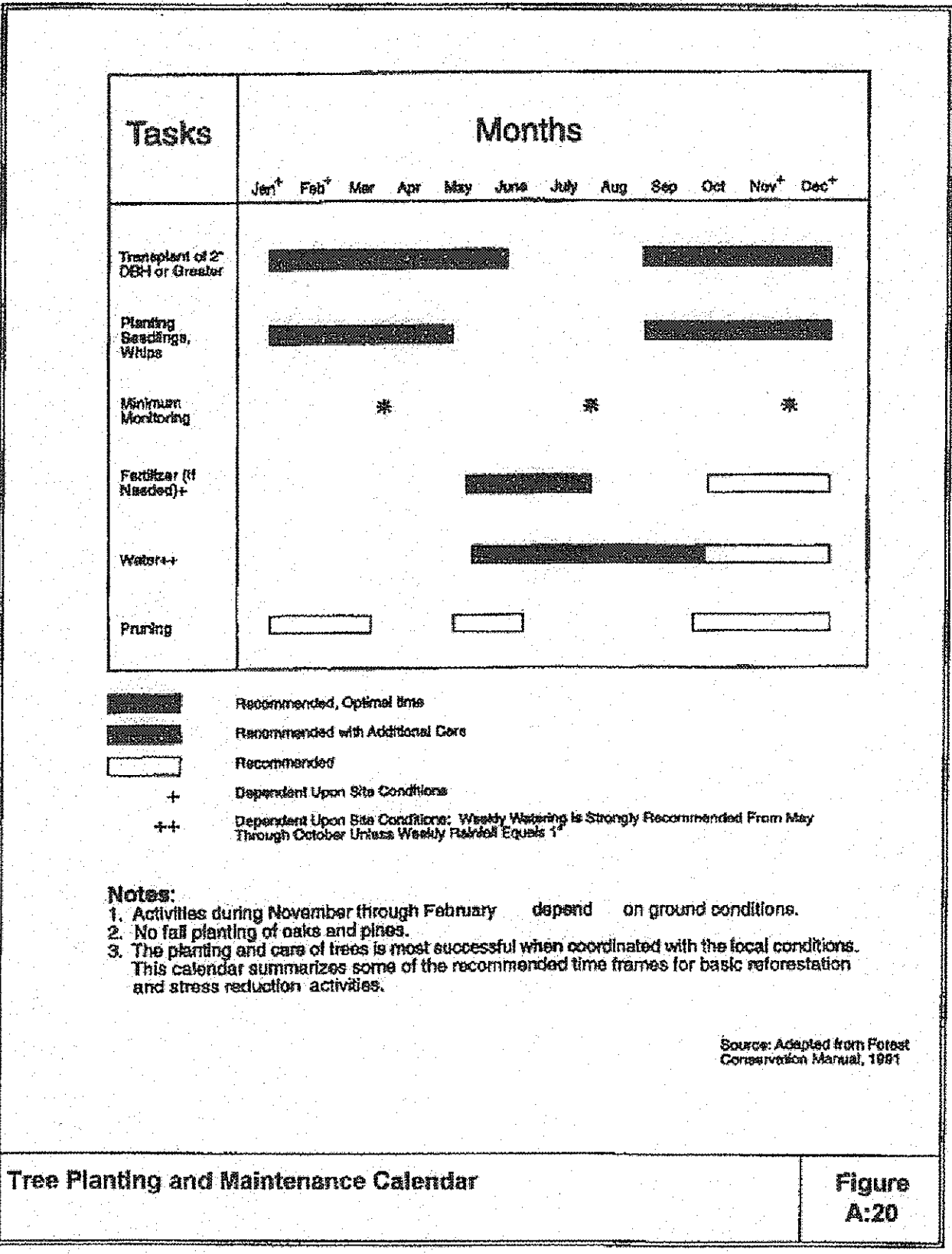
D - 21



Planting Distribution Patterns

Figure A:19

A - 20



Tree Planting and Maintenance Calendar

Figure A:20

A - 21

OFFSITE  
REFORESTATION  
DETAILS

REVISIONS	BY

**Bowman CONSULTING**  
Bowman Consulting Group, Ltd.  
14020 Woodcroft Place  
Suite 300  
Chantilly, Virginia 20151  
Tel: 703 484-1000  
Fax: 703 484-2720  
www.bowmanconsulting.com

STATE OF MARYLAND  
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
11/21/14

WALMART # 2009-04  
BEL AIR, HARMFORD COUNTY, MARYLAND  
WAL-MART STORES, INC.  
2001 SE 10TH STREET  
BENTONVILLE, AR 72716

**Walmart**

DESIGN GE  
DRAWN GE  
CHECKED GE  
DATE 11/21/14  
SCALE NO SCALE  
JOB No. 4859-01-002  
SHEET 4  
OF 4 SHEETS